Рисунок 1.1 – git log

Рисунок 1.2 - git log –p -2

Рисунок 1.3 – git log –stat

Рисунок 1.4 – git log --pretty=oneline

Рисунок 1.5 – git log --pretty=format:"%h - %an, %ar : %s"

```
C:\Users\Тимур\Desktop\gittset\lr2>git log --pretty=oneline
ab4b3c421d6ad62fcb5c7c69799dd135183dee7c (HEAD -> main, origin/main, origin/HEAD) c
5ae749f872a4d9c5668e428203a3e7759596821c c
4d8bfe35ed20eb37f79addea97bea569f31ac6e3 TEST GIT RESTORE
9568a746d921f7747f764d964440a4e41c651a79 FOR LR
8e811d89f2703602914aa20fc87f127bf8e05f1d Update README.md
c925b7b8ab74a17a3789107de3552babc5ef0398 Update README.md
e400fb0c9f09547c5bd68d896ad519e6987fee4e Initial commit

C:\Users\Тимур\Desktop\gittset\lr2>
```

Рисунок 1.6 – git log --pretty=format:"%h %s" –graph

```
C:\Users\Тимур\Desktop\gittset\lr2>git log --since=2.weeks
commit ab4b3c421d6ad62fcb5c7c69799dd135183dee7c (HEAD -> main, origin/main, origin/HEAD)
Author: Timyr7979 <manyakhin@mail.ru>
Date:   Fri Nov 5 15:32:22 2021 +0300

    c

commit 5ae749f872a4d9c5668e428203a3e7759596821c
Author: Timyr7979 <manyakhin@mail.ru>
Date:   Fri Nov 5 15:29:22 2021 +0300

    c

commit 4d8bfe35ed20eb37f79addea97bea569f31ac6e3
Author: Timyr7979 <manyakhin@mail.ru>
Date:   Fri Nov 5 11:15:04 2021 +0300

    TEST GIT RESTORE

commit 9568a746d921f7747f764d964440a4e41c651a79
Author: Timyr7979 <manyakhin@mail.ru>
Date:   Fri Nov 5 11:09:13 2021 +0300

    FOR LR

commit 8e811d89f2703602914aa20fc87f127bf8e05f1d
Author: Timyr7979 <91670597+Timyr7979@users.noreply.github.com>
Date:   Fri Nov 5 10:37:05 2021 +0300

    Update README.md
```

Рисунок 1.7 – git log –since=2.weeks

```
C:\Users\Тимур\Desktop\gittset\lr2>git log -s 1.txt
commit 4d8bfe35ed20eb37f79addea97bea569f31ac6e3
Author: Timyr7979 <manyakhin@mail.ru>
Date:   Fri Nov 5 11:15:04 2021 +0300

    TEST GIT RESTORE

commit 9568a746d921f7747f764d964440a4e41c651a79
Author: Timyr7979 <manyakhin@mail.ru>
Date:   Fri Nov 5 11:09:13 2021 +0300

    FOR LR

C:\Users\Тимур\Desktop\gittset\lr2>
```

Рисунок 1.8 – git log -s

```
C:\Users\Тимур\Desktop\gittset\lr2>git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   2.txt
        new file:   git


C:\Users\Тимур\Desktop\gittset\lr2>git restore --staged "2.txt"

C:\Users\Тимур\Desktop\gittset\lr2>git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   git

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   2.txt
```

Рисунок 1.9 – git restore --staged

```
C:\Users\Тимур\Desktop\gittset\lr2>git checkout -- 2.txt

C:\Users\Тимур\Desktop\gittset\lr2>git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   git
```

Рисунок 1.10 – git checkout

```
C:\Users\Тимур\Desktop\gittset\lr2>git remote
origin
```

Рисунок 1.11 – git remote

```
C:\Users\Тимур\Desktop\gittset\lr2>git remote -v
origin  https://github.com/Timyr7979/lr2.git (fetch)
origin  https://github.com/Timyr7979/lr2.git (push)
```

Рисунок 1.12 – git remote -v

```
C:\Users\Тимур\Desktop\gittset\lr2>git remote add pb https://github.com/Timyr7979/lr2.git

C:\Users\Тимур\Desktop\gittset\lr2>git remote
origin
pb
```

Рисунок 1.13 – Git remote add

```
C:\Users\Тимур\Desktop\gittset\lr2>git fetch pb
From https://github.com/Timyr7979/lr2
 * [new branch]      main        -> pb/main
```

Рисунок 1.14 –git fetch

```
C:\Users\Тимур\Desktop\gittset\lr2>git remote show origin
* remote origin
  Fetch URL: https://github.com/Timyr7979/lr2.git
  Push  URL: https://github.com/Timyr7979/lr2.git
  HEAD branch: main
  Remote branch:
    main tracked
  Local branch configured for 'git pull':
    main merges with remote main
  Local ref configured for 'git push':
    main pushes to main (up to date)
```

Рисунок 1.15 – git remote show

```
C:\Users\Тимур\Desktop\gittset\lr2>git remote rename pb paul

C:\Users\Тимур\Desktop\gittset\lr2>git remote
origin
paul
```

Рисунок 1.16 – git remote rename

```
C:\Users\Тимур\Desktop\gittset\lr2>git remote remove paul

C:\Users\Тимур\Desktop\gittset\lr2>git remote
origin
```

Рисунок 1.17 – git remote remove

```
C:\Users\Тимур\Desktop\gittset\lr2>git log --graph --pretty=oneline --abbrev-commit
* 72d68e0 (HEAD -> main, tag: v1.4, origin/main, origin/HEAD) 7
* 762fa98 6
* 8ce7c05 5
* 5835880 4
* 8a422eb (tag: v1.3) 3
* 2b63c32 (tag: v1.2) 2
* d01eea6 (tag: v1.1) 10
* eec5a57 1
* 703525d 5
* ab4b3c4 c
* 5ae749f c
* 4d8bfe3 TEST GIT RESTORE
* 9568a74 FOR LR
* 8e811d8 Update README.md
* c925b7b Update README.md
* e400fb0 Initial commit
```

Рисунок 2.1 –команда git log

```
C:\Users\Тимур\Desktop\gittset\lr2>git show HEAD
commit 72d68e0eb2e4efc45acb1dd2aa155592f3c97478 (HEAD -> main, tag: v1.4, origin/main, origin/HEAD)
Author: Timyr7979 <manyakhin@mail.ru>
Date:   Fri Nov 5 19:04:35 2021 +0300

    7

diff --git a/c++.cpp b/c++.cpp
index 0b7b9cb..4961221 100644
--- a/c++.cpp
+++ b/c++.cpp
@@ -5,6 +5,6 @@ int main()
        setlocale(LC_ALL, "russian");
        int x = 1,y = 3,z;
        z = x + y;
-       cout << z << endl;
+       cout << "z= " <<z << endl;

 }
\ No newline at end of file
```

Рисунок 2.2 – коммит с командой git show

```
C:\Users\Тимур\Desktop\gittset\lr2>git show HEAD~1
commit 762fa98de13b3e35d2654cbb45a61bf2eb1b09b9
Author: Timyr7979 <manyakhin@mail.ru>
Date:   Fri Nov 5 19:03:55 2021 +0300

    6

diff --git a/c++.cpp b/c++.cpp
index ffe691c..0b7b9cb 100644
--- a/c++.cpp
+++ b/c++.cpp
@@ -5,6 +5,6 @@ int main()
        setlocale(LC_ALL, "russian");
        int x = 1,y = 3,z;
        z = x + y;
-
+       cout << z << endl;

 }
\ No newline at end of file
```

Рисунок 2.3 – коммит с командой git show~1

10.4

Команда git checkout -- <имя_файла> убрала все локальные изменения в файле и загрузила последний коммит , а команда git reset –hard HEAD~1 еще удалила последний коммит загрузив предпоследний

```
C:\Users\Тимур\Desktop\gittset\lr2>git add c++.cpp

C:\Users\Тимур\Desktop\gittset\lr2>git commit -m "10.3"
[main 8901909] 10.3
 1 file changed, 10 deletions(-)

C:\Users\Тимур\Desktop\gittset\lr2>git push
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 250 bytes | 250.00 KiB/s, done.
Total 2 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/Timyr7979/lr2.git
   72d68e0..8901909  main -> main

C:\Users\Тимур\Desktop\gittset\lr2>git reset --hard
HEAD is now at 8901909 10.3

C:\Users\Тимур\Desktop\gittset\lr2>HEAgit reset --hard
"HEAgit" не является внутренней или внешней
командой, исполняемой программой или пакетным файлом.

C:\Users\Тимур\Desktop\gittset\lr2>HEAD~1git reset --hard HEAD~1
"HEAD~1git" не является внутренней или внешней
командой, исполняемой программой или пакетным файлом.

C:\Users\Тимур\Desktop\gittset\lr2>git reset --hard HEAD~1
HEAD is now at 72d68e0 7
```

Рисунок 3.1 –команда фиксация изменений